

Name: _____

Period _____

Acids and Bases

Acids and Bases #1

1. What are three properties of acids?
2. What are three properties of bases?
3. Name 2 acids and their uses.
4. Name 2 bases and their uses.
5. Describe one way you can **safely** determine whether an unknown solution is an acid or base?
6. Describe the pH scale. What is the pH range of an acid? What is the pH range of a base?

Label as either true (T) or false (F):

- _____ 1. Acids will not conduct electricity.
- _____ 2. Bases will conduct electricity.
- _____ 3. Acids taste bitter.
- _____ 4. Bases will turn red litmus paper blue.
- _____ 5. Acids react with some metals to produce hydrogen gas.
- _____ 6. Acids will turn phenolphthalein (PHTH) indicator pink.
- _____ 7. An indicator is a substance which changes colors in acids and bases.
- _____ 8. Acids will turn blue litmus paper red.
- _____ 9. Bases feel slippery.
- _____ 10. The pH of water is 7.

Name: _____ Period _____

Acids and Bases

Acids and Bases #2

1. How might the burning of coal in one area of the country affect the environment in another area?
2. Dishwater feels slippery. What can you infer about the detergent used to wash dishes?
3. How can an acid be neutralized?
4. The pH of a strong base would be closest to? _____
5. The pH of a strong acid would be closest to? _____
6. A compound that shows a definite color change when mixed with an acid is called a _____.
7. Bases have a _____ taste.
8. As the pH number of an acid decreases, the strength of the acid _____.
9. The chemical reaction in which an acid combines with a base is called _____.
10. Name one household item that is an acid _____.
That is a base _____.